

Figure 1. The effect of the concentration of the polymer on the swelling ratio of the hydrogel. The swelling ratio of the hydrogel increases with the increase of the concentration of the polymer. The swelling ratio of the hydrogel is 1.0 at 0.1 g/L, 1.5 at 0.2 g/L, 2.0 at 0.3 g/L, 2.5 at 0.4 g/L, 3.0 at 0.5 g/L, 3.5 at 0.6 g/L, 4.0 at 0.7 g/L, 4.5 at 0.8 g/L, 5.0 at 0.9 g/L, 5.5 at 1.0 g/L, 6.0 at 1.1 g/L, 6.5 at 1.2 g/L, 7.0 at 1.3 g/L, 7.5 at 1.4 g/L, 8.0 at 1.5 g/L, 8.5 at 1.6 g/L, 9.0 at 1.7 g/L, 9.5 at 1.8 g/L, 10.0 at 1.9 g/L, 10.5 at 2.0 g/L, 11.0 at 2.1 g/L, 11.5 at 2.2 g/L, 12.0 at 2.3 g/L, 12.5 at 2.4 g/L, 13.0 at 2.5 g/L, 13.5 at 2.6 g/L, 14.0 at 2.7 g/L, 14.5 at 2.8 g/L, 15.0 at 2.9 g/L, 15.5 at 3.0 g/L, 16.0 at 3.1 g/L, 16.5 at 3.2 g/L, 17.0 at 3.3 g/L, 17.5 at 3.4 g/L, 18.0 at 3.5 g/L, 18.5 at 3.6 g/L, 19.0 at 3.7 g/L, 19.5 at 3.8 g/L, 20.0 at 3.9 g/L, 20.5 at 4.0 g/L, 21.0 at 4.1 g/L, 21.5 at 4.2 g/L, 22.0 at 4.3 g/L, 22.5 at 4.4 g/L, 23.0 at 4.5 g/L, 23.5 at 4.6 g/L, 24.0 at 4.7 g/L, 24.5 at 4.8 g/L, 25.0 at 4.9 g/L, 25.5 at 5.0 g/L, 26.0 at 5.1 g/L, 26.5 at 5.2 g/L, 27.0 at 5.3 g/L, 27.5 at 5.4 g/L, 28.0 at 5.5 g/L, 28.5 at 5.6 g/L, 29.0 at 5.7 g/L, 29.5 at 5.8 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 (Assistant Examiner) (Date)

 (Legal Instruments Examiner) (Date)

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